



Request for Information

Parking Guidance System Philadelphia International Airport

RFI No. 17-11

Issue Date: April 7, 2017

The Philadelphia Parking Authority is soliciting written responses from qualified vendors in order to gain valuable information regarding parking guidance systems.

The Philadelphia Parking Authority requests that responses be submitted by:

2:00 PM EST on May 5, 2017

Delivery Instructions:

Proposals may be Mailed or Hand Delivered
All copies of the RFP must be submitted to: Mary Wheeler Manager of Contract Administration 701 Market Street, Suite 5400 Philadelphia, PA 19106
Emailed or Faxed responses will NOT be accepted

The Philadelphia Parking Authority
701 Market Street, Suite 5400
Philadelphia, PA 19106

Request for Information No. 17-11
Parking Guidance System at Philadelphia International Airport

Introduction:

The Philadelphia Parking Authority is requesting information regarding your company and your product/service concerning parking guidance systems. The Authority will also gather information from different companies concerning this technology. The RFI method is not intended to result in a contract award but is designed to allow for the collection of industry information that may be used to assist the Authority in developing a subsequent Request for Proposals. The information received becomes the property of the Authority and is subject to Pennsylvania's Right to Know Law (65 P.S. §§67.101–67.3104).

Background Information:

The Philadelphia Parking Authority (PPA) operates the on-site revenue generating parking concession at the Philadelphia International Airport (PHL). The airport is owned by the City of Philadelphia and operated by their Department of Commerce, Division of Aviation (DOA). The associated parking facilities consist of seven structured parking garages (approximately 12,000 spaces over 4.5 million square feet) which are owned by the Philadelphia Parking Authority, a 55 acre paved surface parking lot (approximately 7,000 spaces), and ancillary structures including two exit toll plazas, an administration building, an Economy parking employee break building, and a maintenance facility building.

There are seven parking garage structures labelled to match the corresponding terminal designations; A-West, A-East, B, C, D, E and F. They are precast reinforced concrete construction. A-West, E and F are seven (7) stories, the others are five (5) stories. Garages C and D were constructed in 1974. Garages A-East and B were constructed as a unit in 1990. Garages A-West, E, and F were constructed in 2001. Garages A-West, A-East, and B are connected to function as one garage. Similarly for D, E and F. Garage C is stand alone. See Exhibit A for garage details.

The existing Parking and Revenue Control System (PARCS), is by Conduent (formerly Xerox Transport Systems). There are currently 24 gate controlled entrances to the parking areas, and 36 exit toll lanes. Customers can pull a paper ticket or use card-in / card-out. There are currently three different rate structures, one each for: Garage (upper levels), Short Term (garage ground level), and the Economy parking lot.

The existing PARCS has license plate recognition (LPR), at the entrances and at the tolled exits. In addition there is a low end Parking Guidance System (PGS) that provides the approximate number of available of spaces in each garage, parking level, and row by the use of sensors mounted on the ceiling at the entrance and ends of each parking row. The number of available spaces in each garage are continuously displayed at the entrances, on the approach roadway through a data feed to Solar Tech variable messaging signs, and on the PPA and DOA websites. Economy parking operates on a closed loop system; there is no guidance to the sections or rows where spaces are available. When the lot reaches capacity, traffic lights at the three entrance locations will turn red to signal that the lot is full. When spaces are available, the traffic light displays green.

Parking Guidance System (PGS)

In order to improve customer service, the PPA intends to install a camera-based parking guidance system in the garage structures, including the ground level.

The new system shall incorporate the best available technology for vehicular parking guidance, both on the approach roadways and inside the garages: including closed circuit television (CCTV), variable and fixed sign directed wayfinding, available spaces counting and identification, find your car locating capability, and mobile phone applications.

The new parking guidance system shall have the ability to enhance revenue by facilitating tiered rate structures for; time of day, location, premium area, and even designated reserved parking spaces, etc. These tiered rate structures shall be effected electronically, without the need for construction of physical fences and corrals. They shall be easily modified by simple reprogramming as deemed necessary by Airport operations. The new parking guidance system must integrate seamlessly with the PPA's Revenue Control System. The new system must be capable of generating analysis reports to measure capacity, usage in areas of the garages, trends, etc.

Vendors shall answer each question below in their technical response:

1. What functionality can you provide to assist drivers in locating available parking spaces?
2. What is your hardware solution that provides available parking spaces?
3. Can your system provide coverage for an open parking deck (garage roof top) and a parking level with a ceiling height of 20 feet? Please provide details.
4. How do you provide information to the public in terms of the available parking spaces?
5. Does your system provide guidance to assist parkers in locating their vehicles? If so how is this delivered?
6. Does your system allow for tier level pricing? If so, what is your solution to provide variable pricing for the most desired parking locations? How is this information conveyed to parkers?
7. Can your system be integrated into an existing revenue control system? If so, please list the manufactures and locations where this has been accomplished.
8. Please provide your existing installations and the number of spaces at these installations.
9. How is on-site maintenance provided?
10. Where is your base office located that would provide available staff for support?
11. Can a third party be contracted by the operator to provide system maintenance?
12. Does your system provide security capabilities? If so, please describe these capabilities.
13. Please list or describe all of the reports, analytics that your system provides.
14. Does your system have the ability to provide real-time vehicle inventory by license plate?
15. Does your system provide an API or SDK for data exchange?
16. Can your system provide alerts on entrance and or exit events based on specific license plates? If so, please provide details.
17. List any unique features of your system that sets it apart from other systems in the parking industry.

Registration:

Interested parties are required to register for participation in the RFI by emailing Mary Wheeler at mwheeler@philapark.org prior to downloading the documents. Registration shall include contact name, firm name, email address, telephone number and firm address. Only those firms who are registered will receive addenda that are issued.

The Philadelphia Parking Authority will adhere to the following schedule:

Activity	Date
Opportunity posted	Friday, April 7, 2017
Question Deadline	Friday, April 21, 2017 at 2:00 PM
Response submission deadline	Friday, May 5, 2017 at 2:00 PM

All proposals must be presented with one (1) original and six (6) copies, individually numbered, and an electronic version consisting of one PDF file no later than **2:00 PM (EST) on Friday, May 5, 2017** to the address below:

The Philadelphia Parking Authority
701 Market Street, Suite 5400
Philadelphia, Pa 19106
Attn: Mary Wheeler
Manager of Contract Administration

Proposals must be sealed and delivered via certified mail, return receipt requested (to include commercial delivery services) or by hand-delivery. Whether mailed or hand-delivered, all envelopes must display the vendor name and must be boldly and clearly marked (not typewritten) "**Parking Guidance System- RFI No. 17-11**".

The Authority may request additional information, clarification or presentations from any of the vendors who submit a response to the RFI after the initial review is complete.

Questions Regarding this RFI:

Questions regarding this RFI are to be submitted by email only to Mary Wheeler at mwheeler@philapark.org. Questions must be submitted no later than **2:00 PM (EST) on Friday April 21, 2017**. All questions received by this date and time will be answered appropriately. **The subject title of such emails should read, "RFI No. 17-11 – Parking Guidance System."** Questions emailed by respondents, and any additional information that the Authority provides in response to such questions will be emailed in addendum form to all of registered respondents. Such distribution will also include the posting on the Authority's website.

Response Content:

Responses are to follow the following tabbed format:

A. Cover Letter

Please include a signed cover letter of no more than one page indicating the name, title, location, telephone number, and email address of the party responsible for responding to this RFI.

B. Qualifications of the Vendor

1. Provide a brief overview of company.

2. All vendors must provide documentation of their stability and ability to support the General Requirements in the RFI.
 - Documentation of longevity in the business
 - Documentation of financial stability
 - Records of satisfactory performance
 - Effective and efficient methods to respond to faults and failures within the system
 - Availability of a Project Team committed to the assignment
 - Proven ability to provide the type of technology for a company this size
 - Proven records of performance and completion schedules
 - Interest and knowledge in new technology conducive to this RFI
 - Training modules with varying levels of instruction

C. *Technical Response*

Vendor shall identify and describe their proposed parking guidance system solution. Also, vendor must address all of the questions outlined in this RFI in numerical order to correspond to the questions.

D. *Additional Information*

Any additional information not specifically requested, but which the respondent deems important and relevant may also be submitted.

E. *Experience*

Discuss the respondents relevant experience both in the private and public sector the over the past five years. Also, identify locations that are similar in size to the parking facility at Philadelphia International Airport where your proposed solution is currently in use. Provide contact names, email addresses, mailing addresses, and phone numbers of three references. These references should include customers who are using similar products as are requested in this RFI. The Authority reserves the right to request additional reference information after responses are received if necessary.

Philadelphia Parking Authority Policies and Reservation of Rights

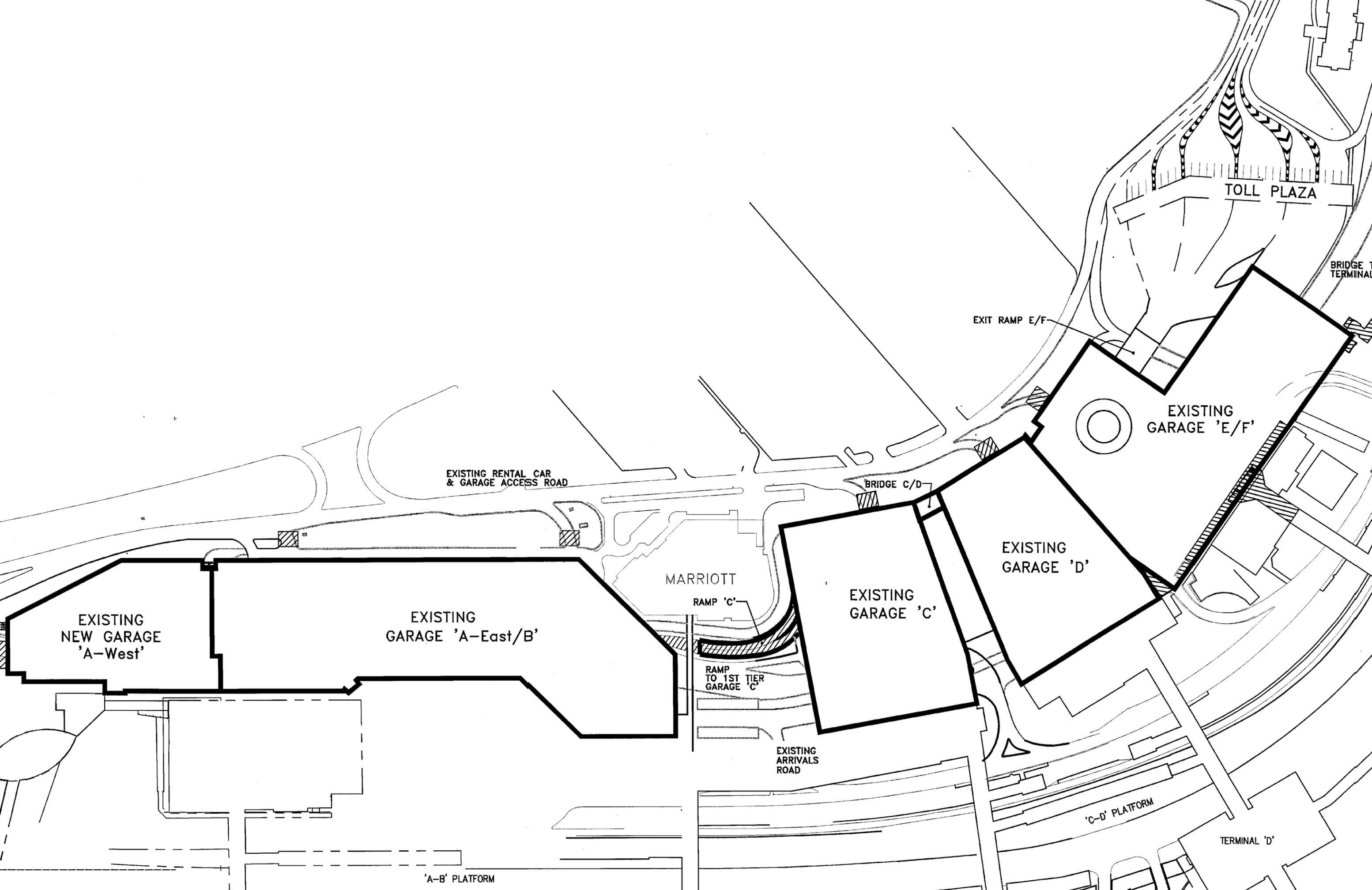
- Joint responses will not be accepted.
- The cost for developing a response to the RFI is entirely the obligation of the proposer and shall not be charged in any manner to the Authority.
- Oral communications from the Authority personnel or other persons shall not be binding and shall in no way materially modify the provisions of the RFI.
- While documents exchanged by or with the Authority or its agents during this process may be protected from public release by certain terms of Pennsylvania's Right to Know Law (65 P.S. §§67.101–67.3104), Pennsylvania's Procurement Code, or other laws, all proposers in the instant process are advised to review such disclosure issues. Any proprietary information shall be marked as proprietary on each relevant page of the response.
- The Authority encourages submissions by minority, woman, and disabled owned firms ("MWDBE"). The Authority requires that any firm selected to participate as an executive search firm agree not to discriminate nor permit discrimination against any person because of race, color, religion, national origin, or sexual orientation. In the event of such discrimination, the Authority reserves the right to terminate the firm's appointment to the issue.

**The Philadelphia Parking Authority
Request for Information Form
Parking Guidance System**

Question:	Response:
Company Name:	
Company Address:	
Company Web Page:	
Main Produce/Service	
Ownership Structure with ownership Status in percentage	
Structure of mother corporation, joint ventures, subsidiaries, partnerships or other relevant relations	
Number of years in business	
Company location(s)	
Environmental Management Systems(s)	
Quality Management System(s)	
Describe your business Continuity Management	
Total Number of Employees:	
Production	
R&D	
Marketing & Sales	
Quality Control	
Financial Information:	
Previous year gross margin	
Previous year profit	
Stock Markets where company is listed	
Disadvantaged Business Participation	
Anticipated Capacity conditions within 12 months	
Conditions in the RFI that cannot be met	

(Additional Pages may be attached as needed)

Exhibit A



TOLL PLAZA

BRIDGE 1
TERMINAL

EXIT RAMP E/F

EXISTING
GARAGE 'E/F'

EXISTING RENTAL CAR
& GARAGE ACCESS ROAD

BRIDGE C/D

EXISTING
GARAGE 'D'

MARRIOTT

EXISTING
GARAGE 'C'

RAMP 'C'

EXISTING
NEW GARAGE
'A-West'

EXISTING
GARAGE 'A-East/B'

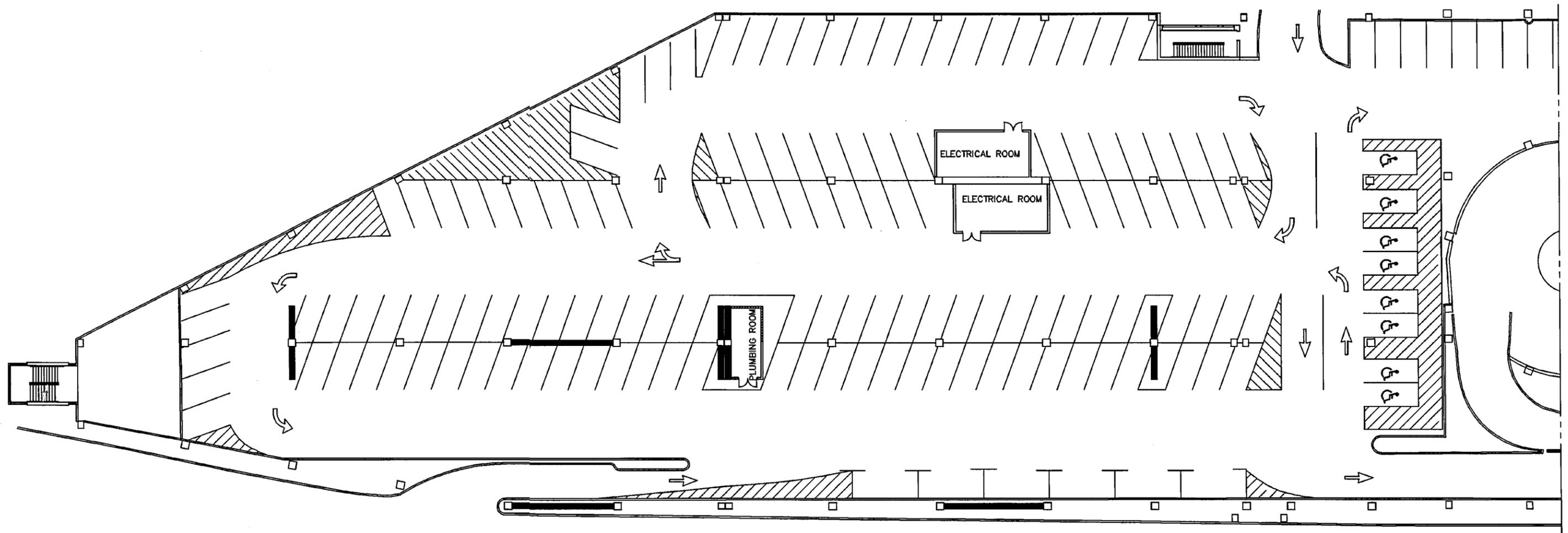
RAMP
TO 1ST TIER
GARAGE 'C'

EXISTING
ARRIVALS
ROAD

'C-D' PLATFORM

TERMINAL 'D'

'A-B' PLATFORM

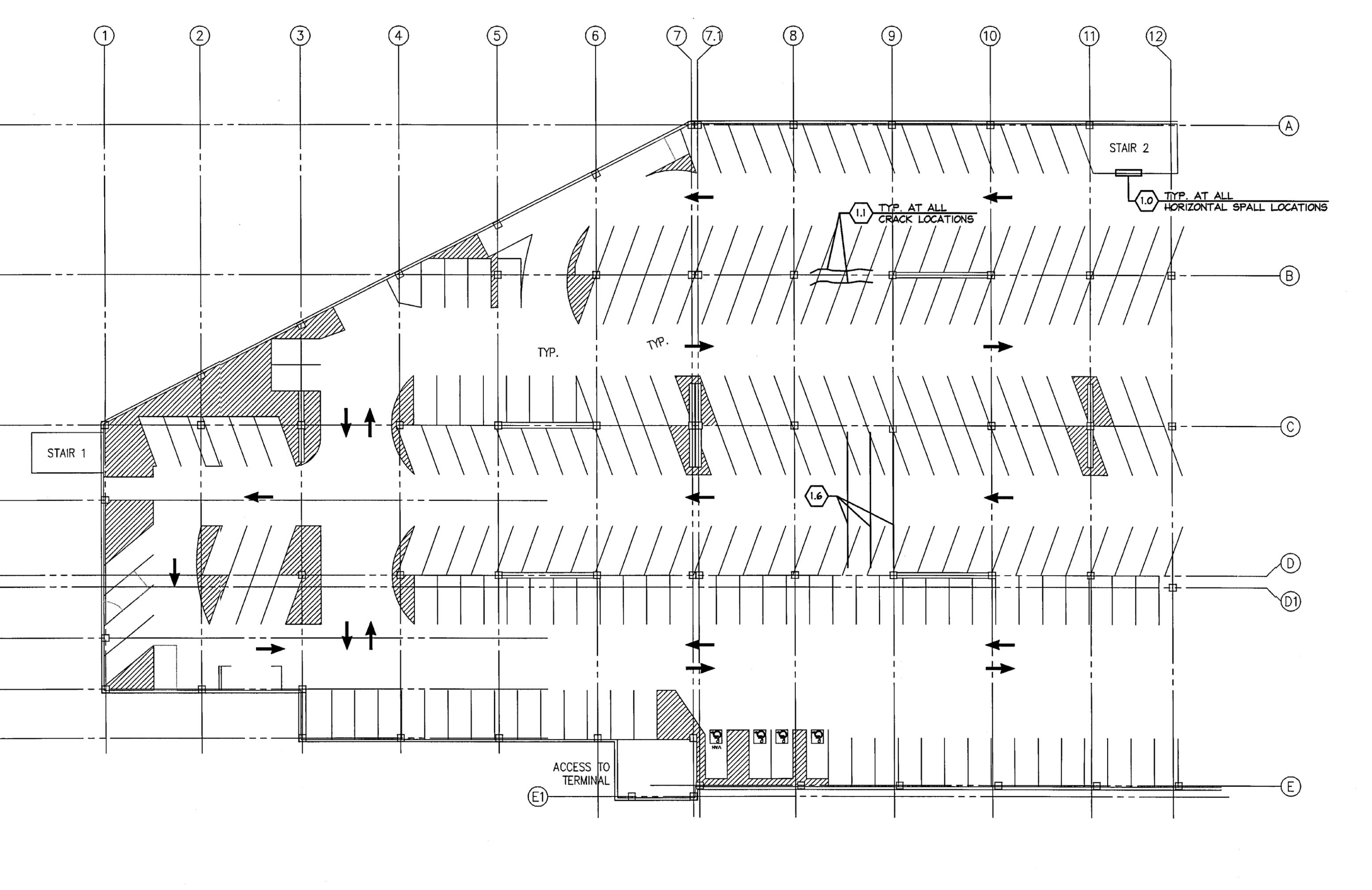


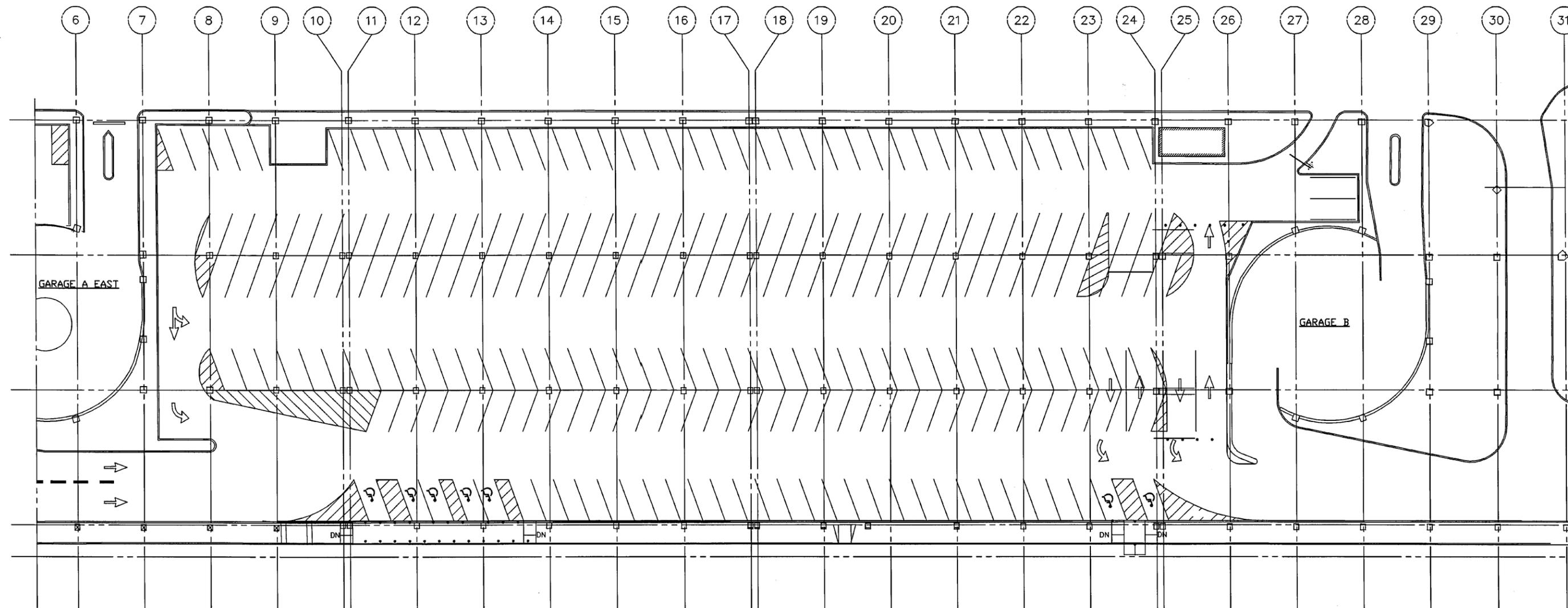
1
S1.0
GARAGE A WEST
GROUND LEVEL PLAN

SCALE : 1/32"=1'-0"

NOTES:

1) REPAIR LOCATIONS & DIMENSIONS ARE FOR GENERAL REFERENCE ONLY. EXTENT AND LOCATION OF REPAIRS MAY VARY FROM WHAT IS SHOWN ON THE DRAWINGS DEPENDING UPON FIELD CONDITIONS. CONTRACTOR IS TO SOUND SURFACES WITH HAMMER, ROD, CHAIN OR APPROPRIATE TOOL TO DETECT DELAMINATIONS AND DEFECTS. ALL SUPPORTED FLOOR SURFACES ARE TO BE SOUNDED AND CEILINGS VISUALLY SURVEYED, REGARDLESS OF WHETHER THE DRAWINGS SHOW OR DO NOT SHOW A FLOOR OR CEILING SPALL. IN THE VICINITY THE LIMITS OF THE DELAMINATION ARE TO BE MARKED FOR DEMOLITION.





1
S2.0
GARAGE A EAST & B
GROUND LEVEL PLAN

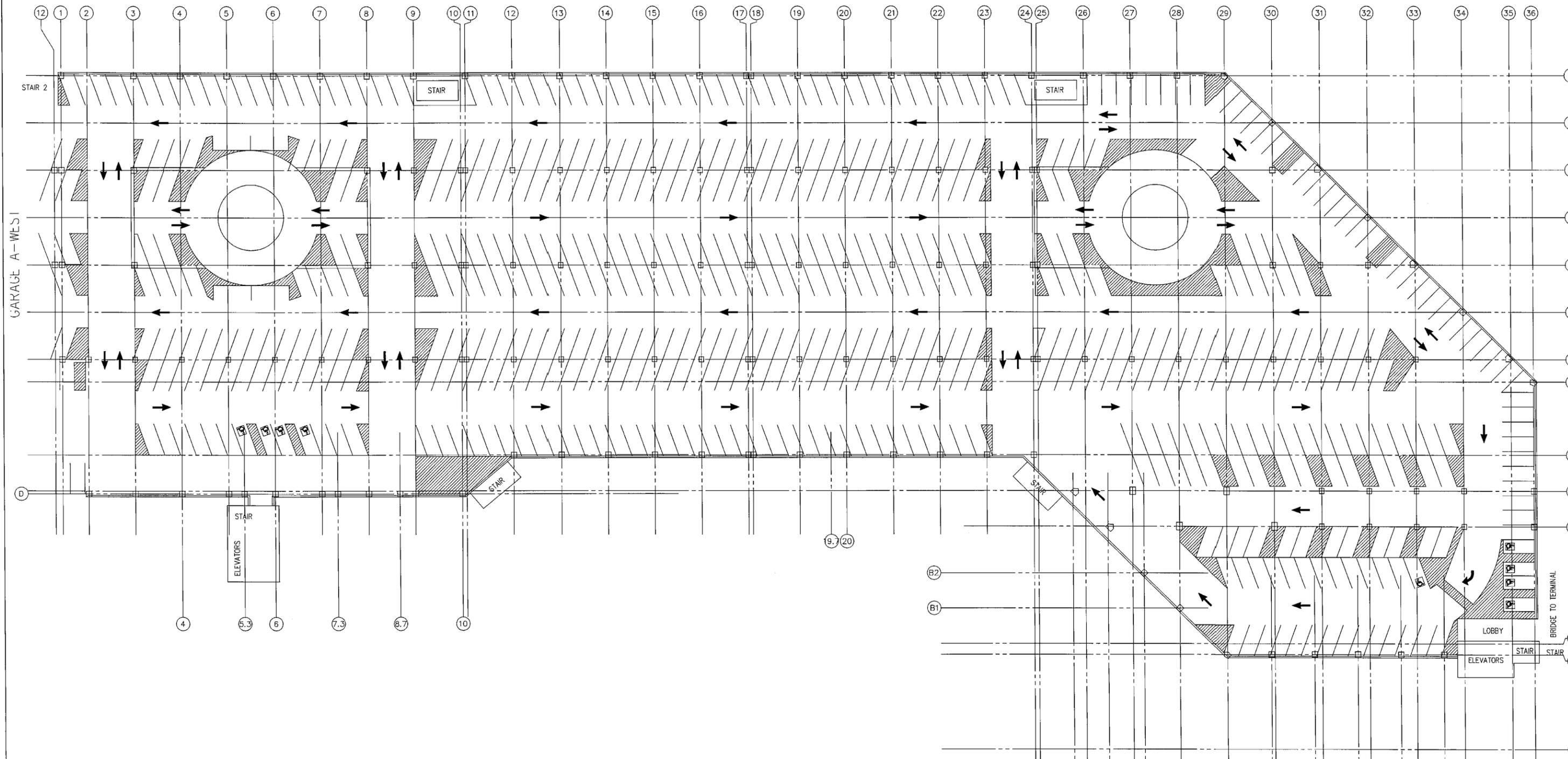
SCALE : 1/32"=1'-0"

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2) - INDICATES REPAIR TYPE.

3) SEE DRAWING 'S6.0, S6.1 & S6.2' FOR REPAIR DETAILS.



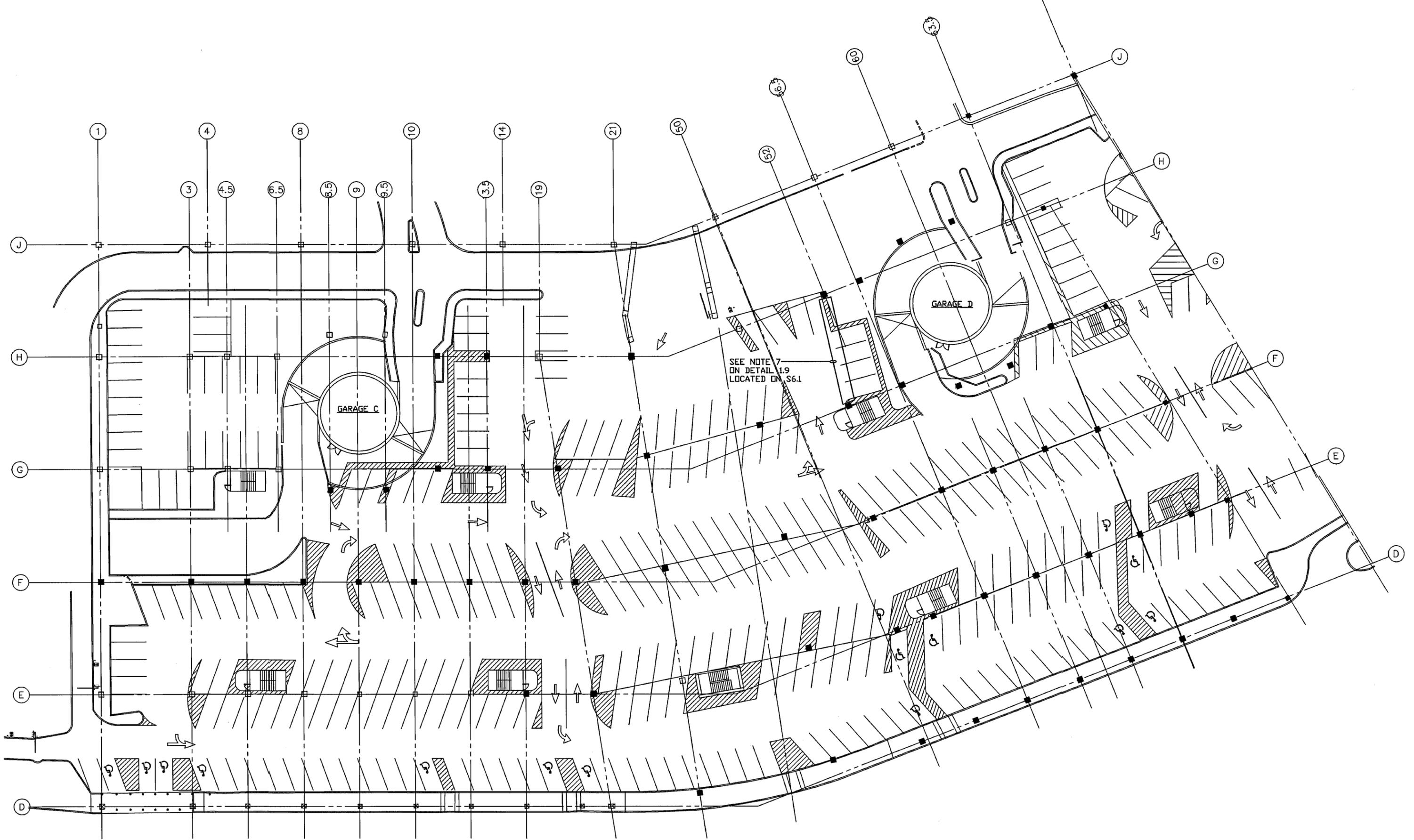
**GARAGE A EAST & B
TIER 1 PLAN**

SCALE : 1/32"=1'-0"

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2) INDICATES REPAIR TYPE.
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LEGEND		
ITEM NO.	DESCRIPTION	QUANTITIES
10	HORIZONTAL SPALL REPAIR	100 SF
11	HORIZONTAL CRACK REPAIR	600 LF
14	VERTICAL CONCRETE SPALL REPAIR	100 SF
15*	CLEAR PENETRATING SEALER	LUMP SUM



1
S3.0
GARAGE C
GROUND LEVEL PLAN

SCALE : 1/32" = 1'-0"

